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TR2 RX 700W

ATX 12V 2.3 & EPS 12V 2.91 Version

User Manual

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1. Warnings and Caution

1. Do not unplug the AC power cord when the power supply is in use. Doing so may cause damage to your components.
2. Do not place the power supply in a high humidity and/or temperature environment.
3. High voltages exist in the power supply. Do not open the power supply case unless you are an authorized service technician or electrician. Doing so will void the warranty.
4. PSU should be powered by the source indicated on the rating label.
5. All warrantees and guarantees will be voided, if failure to comply with any of the warnings and cautions covered in this manual.

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2. Components Check

English

- TR2 RX power supply unit
- User manual
- AC power cord
- Mounting screw x 4

English

3. Power Connector Introduction

Cable / Model	Main Power Connector (20+4Pin)	ATX 12V (4Pin)	EPS 12V (8Pin)	PCI-E (8Pin)	PCI-E (6Pin)	SATA (5Pin)	Peripheral (4Pin)	FDD (4Pin)	PCI-E 8Pin to 6Pin	CPU 4Pin to 4Pin
W0366 700W	1	1	1	1	2	6	6	1	1	1

MODEL	Connector Type	Connectors & Cable length
700W	20+4pin	**1 x 20+4pin Main connector** (500mm)
	EPS 12V 8 pin + ATX 12V 4pin	**1 x EPS 12V 8 pin + ATX 12V 4pin connector** (500mm+150mm)
	Molex & FDD	**3 x Peripheral & 1 x FDD connectors** (500mm + 150mm + 150mm + 150mm) **3 x Peripheral connectors** (500mm + 150mm + 150mm)
	SATA	**3 x S-ATA connectors** (500mm + 150mm + 150mm) **3 x S-ATA connectors** (500mm + 150mm + 150mm)
	PCI-E 8pin	**1 x 8pin PCI-E connector** (500mm)
	PCI-E 6pin	**2 x 6pin PCI-E connectors** (500mm+150mm)
	PCI-E 8pin to 6pin adapter	**1 x 8pin to 6pin adapter** (150mm)
	CPU 4pin to 4pin adapter	**1 x 4pin to 4pin adapter** (150mm)

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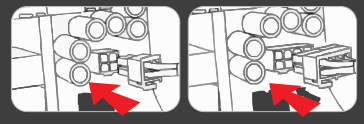
4. Installation Steps

Note: Make sure that your system is turned off and unplugged. Disconnect the AC power cord from your old power supply.

1. Open your computer case; please refer to the direction in your case manual.
2. Install the PSU into the case with the four screws provided.
3. Connect the 24 pin Main Power Connector to your motherboard and peripheral. If your motherboard uses a 20-pin connector, detach the 4-pin attachment on the 24-pin connector.

   Note: The detachable 4-pin section cannot be used in place of a 4-pin +12V connector.

4.1 For motherboard that requires a single 4pin auxiliary (CPU) power connector, please use the 4pin ATX connector from the power supply.



4.2 For motherboard that requires a single 8pin EPS connector, please use the 8pin EPS connector from the power supply.

5. Connect other peripheral power connectors to devices such as hard drives, optical drives, etc.
6. Close your computer case and connect the AC power cord to the power supply AC inlet.

English

5. Product Features

- Fully complies with latest Intel ATX 12V V2.3 for utmost stable and robust power delivery system.
- Universal Input & Active PFC:100-240VAC input with automatic adjustment and active PFC for global usage.
- Dedicated dual +12V rails ensures efficient power delivery to critical components within the PC.
- Modularized cable management dramatically improves internal airflow to enable quieter running computer system and computing experience.
- Oversized & ultra-quiet 140mm ball bearing fan accelerates heat removal and decreases overall noise output.
- Latest 6pin and 8pin PCI-Express power connectors to support advanced graphic cards in Nvidia SLI or ATI CrossFire X technology.
- Supports all Intel & AMD processors.
- High reliability: MTBF>100,000 hours.
- Protections: Over Current, Over Voltage and Short Circuit Protection.
- Safety / EMI Approvals: UL, TUV, FCC, CE, BSMI and GOST certified.
- Dimension (W/H/D): 150mm x 86mm x 160mm.

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6. Output Specification

Model	AC INPUT	100V-240V 10A-5A 50Hz-60Hz					
700W	DC OUTPUT	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
	Max Output Current	24A	15A	30A	22A	0.3A	2.5A
	Min Output Current	0.5A	0.5A	0.5A	0.5A	0A	0.05A

The +5V and +3.3V Max-combined power is 130W.

7. Total Protection

* Over Current Protection

The power supply should provide OCP and should shutdown before 240VA of each output power (included +5V, +3.3V).

* Over Voltage Protection

Voltage Source	Protection Point
+3.3V	+4.5V Max.
+5V	+7.0V Max.
+12V	+15.6V Max.

* Short Circuit Protection

Activated when any DC rails short circuited.

English

8. EMI & SAFETY

EMI Regulatory & SAFETY Standards	
W0366 TR2 RX 700W	UL, TUV, FCC, CE, BSMI and GOST.

9. Environments

Operating temperature	10 ℃ to + 25 ℃
Operating humidity	20% to 85%, relative humidity
MTBF	> 100,000 hours

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10. Trouble-Shooting

If the power supply fails to function properly, please follow the troubleshooting guide before application for service:

1. Is the power cord plugged properly into electrical outlet and into the power supply AC inlet?
2. Please make sure the "I/O" switch on the power supply is switched to "I" position.
3. Please make sure all power connectors are properly connected to all the devices.
4. If connected to a UPS unit, is the UPS on and plugged in?

If the power supply is still unable to function properly after following the above instruction, please contact you local store or Thermaltake branch office for after sales service. You may also refer to Thermaltake's website for more technical support:
www.thermaltake.com